

**Case 3416*****Murex rostratus* Olivi, 1792 (currently *Fusinus rostratus*; Mollusca, Gastropoda): proposed conservation of the specific name**

Giovanni Buzzurro

Via Locatelli 44, 20046 Biassono (MI), Italy (e-mail: giobuz@libero.it)

Paolo Russo

Giudecca 459, 30133 Venezia, Italy (e-mail: russorusso@virgilio.it)

**Abstract.** The purpose of this application, under Article 23.9.5 of the Code, is to conserve the name *Murex rostratus* Olivi, 1792 (currently *Fusinus rostratus*) (Mollusca, Gastropoda, FASCIOLARIIDAE) in its prevailing usage by ruling that this name is not invalid by virtue of being a junior primary homonym of *Murex rostratus* Solander in Brander, 1766 (currently *Turricula rostrata*). The senior homonym is currently included in TURRIDAE and has not been considered congeneric with *Murex rostratus* Olivi, 1792 after 1899.

**Keywords.** Nomenclature; taxonomy; Mollusca; Gastropoda; FASCIOLARIIDAE; TURRIDAE; *Fusinus rostratus*; *Turricula rostrata*; gastropods; Mediterranean.

---

1. The species currently named *Fusinus rostratus* (Olivi, 1792) (Gastropoda, FASCIOLARIIDAE) was originally described as *Murex rostratus* based on a shell from the Mediterranean (Olivi, 1792, p. 153). Olivi's (1792) diagnosis was literally taken from the description by Ginanni (1757, p. 8) (see Ghisotti, 1978, p. 25).

2. Aartsen & Giannuzzi-Savelli (1992, p. 230) found *Murex rostratus* Olivi, 1792 to be a junior homonym of *Murex rostratus* Solander in Brander, 1766. They proposed that *Murex rostratus* Olivi, 1792 should be replaced by its oldest junior synonym *Murex sanctaeluciae* Salis-Marschlins, 1793 (p. 371) (currently *Fusinus sanctaeluciae*).

3. However, *Murex rostratus* Solander in Brander, 1766 (p. 21) and *Murex rostratus* Olivi, 1792, although primary homonyms, have not been considered congeneric after 1899 (Article 23.9.5 of the Code). In fact, *Murex rostratus* Solander in Brander, 1766 is not a species of *Fusinus*, and not even a member of the FASCIOLARIIDAE, but a fossil representative of the TURRIDAE Swainson, 1840 from the Eocene of England, assigned to the genus *Surcula* H. & A. Adams, 1853 by Vokes (1971, p. 92) and to the genus *Turricula* Schumacher, 1817 by Aartsen & Giannuzzi-Savelli (1992, p. 229).

4. Buzzurro & Russo (2007, p. 144), in their revision of the Recent Mediterranean *Fusinus* species, stressed that *Murex rostratus* Olivi, 1792 was universally considered as valid and consistently used by all authors, with *F. sanctaeluciae* (Salis-Marschlins, 1793) always regarded as a junior synonym until the proposal of the replacement name by Aartsen & Giannuzzi-Savelli (1992). After that proposal, the usage of the name *Murex rostratus* has been maintained by most authors (Templado et al., 1993, p. 66; Vio & De Min, 1994, p. 471; Delamotte & Vardala-Theodorou, 1994, p. 405;

1994b, p. 286; Bonfiglio et al., 1994, p. 143; Di Geronimo et al., 1994, p. 99; Giacobbe & Mondello, 1994, p. 145; Palazzi & Villari, 1994, p. 90; Panetta & Imperatrice, 1994, p. 39; Bodon et al., 1995, p. 40; Arduino et al., 1995, p. 77; Vera-Peláez et al., 1995, p. 111; Cecalupo & Quadri, 1996, p. 108; Vio & De Min, 1996, p. 210; Vazzana, 1996, p. 149; Giribet & Peñas, 1997, p. 51; Cirone et al., 1997, p. 165; Kotsoubas et al., 1997, p. 30; De Min & Vio, 1997, p. 249; Mancini, 1997, p. 38; De Min et al., 1997, p. 42; Hadjichristophorou et al., 1997, p. 14; Cauli & Bogi, 1998, p. 6; Leone et al., 1998, p. 344; Hadorn & Rolán, 1999, p. 44; Ardovalini & Cossignani, 1999, p. 60; Vio & De Min, 1999, p. 171; Orr, 2000, p. 137; Gofas, 2000, p. 13; Chirli, 2000, pl. 49, fig. 4–12; Öztürk & Çevik, 2000, p. 35; Cachia et al., 2001, p. 22; Houart, 2001, p. 83; Costello et al., 2001, p. 193; Öztürk et al., 2001, p. 2; Ardovalini & Cossignani, 2004, p. 173; Scarponi & Della Bella, 2004, p. 19; Brunetti & Vecchi, 2005, p. 4; Peñas et al., 2006, p. 41; CLEMAM Database, 2006), whereas the name *Fusinus sanctaeluciae* has been used by very few authors (Snyder, 2000, p. 174; Giannuzzi-Savelli et al., 2003, p. 185, 187, 189, figs. 373–381; Snyder, 2003, p. 181; Repetto et al., 2005, p. 187; Mallard & Robin, 2005, pl. 29).

5. The replacement of the well-established and almost universally accepted name *Fusinus rostratus* (Olivi, 1792) by the little used name *Fusinus sanctaeluciae* (Salis-Marschlins, 1793) would threaten stability and universality of the nomenclature of this group and cause confusion. Therefore the conservation of the former name in its prevailing usage is the best solution to avoid ambiguity.

6. The International Commission on Zoological Nomenclature is accordingly asked:

(1) (1) to use its plenary power:

(a) to rule that the name *rostratus* Olivi, 1792, as published in the binomen *Murex rostratus*, is not invalid by virtue of being a junior primary homonym of *rostratus* Solander in Brander, 1766, as published in the binomen *Murex rostratus*;

(2) to place on the Official List of Specific Names in Zoology the following names:

(a) *rostratus* Olivi, 1792, as published in the binomen *Murex rostratus* Olivi, 1792, with the endorsement that it is not invalid by virtue of being a junior primary homonym of *rostratus* Solander in Brander, 1766, as published in the binomen *Murex rostratus* (FASCIOLARIIDAE);

(b) *rostratus* Solander in Brander, 1766, as published in the binomen *Murex rostratus* (TURRIDAE).

### Acknowledgements

Maurizio Pavesi (*Museo Civico di Storia Naturale, Milano*) kindly helped us with suggestions when preparing the present application and revised the final text.

### References

- Aartsen, J.J. van & Giannuzzi-Savelli, R. 1992. Note on *Fusinus sanctaeluciae* (Von Salis, 1793), the name to be used for *Fusinus rostratus* (Olivi, 1792) not *Murex rostratus* Solander in Brander, 1766. *Bollettino Malacologico*, **28**(5–12): 229–230.
- Ardovalini, R. & Cossignani, T. 1999. *Atlante delle conchiglie di profondità del Mediterraneo*. 111 pp. L'Informatore Piceno Ed., Ancona.
- Ardovalini, R. & Cossignani, T. 2004. *Le conchiglie dell'Africa Occidentale*. 320 pp. L'Informatore Piceno Ed., Ancona.

- Arduino, G., Locatelli, B., Orlando, F. & Repetto, G. 1995. *Catalogo illustrato delle conchiglie marine del Mediterraneo*. 173 pp. Associazione Amici del Museo 'Federico Eusebio', Alba.
- Bodon, M., Favilli, L., Giannuzzi Savelli, R., Giovine, F., Giusti, F., Manganelli, G., Melone, G., Oliverio, M., Sabelli, B. & Spada, G. 1995. Gastropoda Prosobranchia, Heterobranchia Heterostropha. In Minelli, A., Ruffo, S. & La Posta, S. (Eds.), 1995. *Checklist delle specie della fauna italiana*, vol. 14: 1–60. Calderini, Bologna.
- Bonfiglio, L., Bacci, G.N., Barra, D., Bonaduce, G. & Di Geronimo, I. 1994. Paleoecological, radiometric and archeological core analysis of Holocene deposit in the Messina harbour area (North-Eastern Sicily). *Bollettino della Società Paleontologica Italiana*, special volume, 2: 47–60.
- Brunetti, M.M. & Vecchi, G. 2005. Nuove specie di gasteropodi del Piacenziano di Rio Crevalesse, Castell'Arquato (Piacenza, Italia). *Bollettino Malacologico*, 41(1–4): 1–22.
- Buzzurro, G. & Russo, P. 2007. *Fusinus del Mediterraneo/Mediterranean Fusinus*. 280 pp. Grafiche ATA, Paderno Dugnano, Milano.
- Cachia C., Mifsud, C. & Sammut, P. 2001. *The Marine Molluscs of the Maltese Islands. (Part Three)*. 182 pp., 26 pls. Backhuys Publishers, Leiden.
- Cauli, L. & Bogi, C. 1998. La malacofauna pliocenica del Cisternino (Livorno). *Quaderni del Museo di Storia Naturale di Livorno*, 15: 1–24.
- Cecalupo, A. & Quadri, P. 1996. Contributo alla conoscenza malacologica per il Nord dell'isola di Cipro (Terza e ultima parte). *Bollettino Malacologico*, 31(5–8): 95–118.
- Chirli, C. 2000. *Malacofauna Pliocenica Toscana*, vol. 2. Superfamiglia Muricoidea. 142 pp., pls. 1–49. Stamperia e Legatoria Pisana, Agnano.
- Cirone, G., Raineri, V. & Brunetti, M. 1997. Osservazioni su alcune specie della Collezione Foresti del Museo 'G. Doria' di Genova. *Bollettino della Società Paleontologica Italiana*, 36(1–2): 161–166.
- CLEMAM: <http://www.somali.asso.fr/clemam/index.clemam.html>. Query on 18.12.2006. [Accessed in January, 2008].
- Costello, M.J., Emblow, C. & White, R. 2001. *European register of marine species. A check-list of the marine species in Europe and a bibliography of guides to their identification*. 463 pp. Muséum National d'Histoire Naturelle, Paris.
- Defrance, M.J.L. 1820. *Fusus*. In Cuvier, G. (Ed.), *Dictionnaire des Sciences Naturelles ... Tome Dix-septième. (FIL-FYS)*. 546 pp. F.G. Levrault Éditeur, Strasbourg et Paris; Le Normant, Paris.
- Delamotte, M. & Vardala-Theodorou, G.E. 1994. Preliminary check list of Gastropods from Greece. *Annales Musei Goulandris*, 9: 375–427.
- Delamotte, M. & Vardala-Theodorou, G.E. 2001. Shells from the Greek Seas. Pp. 284–306. The Goulandris Natural History Museum, Kifissia.
- De Min, R. & Vio, E. 1997. Molluschi conchiferi del litorale sloveno. *Annales. (Annali za istrske in mediteranske študije)*. *Series historia naturalis*, 7: 241–258.
- De Min, R., Vio, E. & Žiža, V. 1997. Un eccezionale accumulo di conchiglie presso Capodistria. *Falco*, 41–46.
- Di Geronimo, I., Randazzo, G., Costa, B., Rosso, A., La Perna, R. & Sanfilippo, R. 1994. The Pleistocene 'Case Catarinicchia' section (Belice, SW Sicily). *Bollettino della Società Paleontologica Italiana. Special volume*, 2: 93–115.
- Ghisotti, F. 1978. Diagnosi originali: le specie di Giuseppe Olivi. *Conchiglie*, 14 (1–2): 23–28.
- Giacobbe, S. & Mondello, G.P. 1994. *Turritella* thanatofacies in the terrigenous mud biocenosis (VTC) in Southern Tyrrhenian Sea. *Bollettino della Società Paleontologica Italiana. Special volume*, 2: 141–151.
- Giannuzzi-Savelli, R., Pusateri, F., Palmeri, A. & Ebreo, C. 2003. *Atlante delle conchiglie marine del Mediterraneo*, vol. 4, parte 1 (Neogastropoda: Muricoidea). 298 pp. Edizioni Evolver, Roma.
- Ginanni, G. 1757. *Opere postume del conte Giuseppe Ginanni Ravennate. Vol. 2. Nel quale si contengono testacei marittimi paludosi e terrestri dell'Adriatico e del territorio di Ravenna*. 6, viii, 72 pp., pls. 1–31, 1–4. G. Zerletti. Venezia.
- Giribet, G. & Peñas, A. 1997. Fauna malacológica del litoral del Garraf (NE de la Península Ibérica). *Iberus*, 15(1): 41–93.

- Gofas, S.** 2000. Four species of the family Fascioliidae (Gastropoda) from the North Atlantic Seamounts. *Journal of Conchology*, **37**(1): 7–16.
- Hadjichristophorou, D., Argyrou, M., Demetropoulos, A. & Bianchi, T.S.** 1997. A species list of the sublittoral soft-bottom macrobenthos of Cyprus. *Acta Adriatica*, **38**(1): 3–32.
- Hadorn, R. & Rolán, E.** 1999. Two new *Fusinus* (Gastropoda: Fascioliidae) from Northwest Africa and the Canary Islands, including a brief description of the type material of *Fusinus crassus* (Pallary, 1901). *Argonauta*, **13**(1): 39–47.
- Houart, R.** 2001. *A review of the recent Mediterranean and Northeastern Atlantic species of Muricidae*. 227 pp. Evolver, Roma.
- Jeffreys, J.G.** 1867. *British Conchology, or an account of the Mollusca which now inhabit the British Isles and the surrounding seas. Volume IV. Marine shells, in continuation of the Gastropoda as far the Bulla family*. 487 pp., 8 pls. J. van Voorst, London.
- Kotsoubas, D., Koukouras, A. & Voultziadou-Koukoura, E.** 1997. Prosobranch molluscs fauna of the Aegean sea: new information, checklist, distribution. *Israel Journal of Zoology*, **43**: 19–54.
- Leone, G., Menesini, E. & Ragaini, L.** 1998. Dati paleoecologici ed isotopici su una successione Pleistocenica del Salento (Puglia, Italia). *Bollettino della Società Paleontologica Italiana*, **36**(3): 339–353.
- Mallard, D. & Robin, A.** 2005. *Fascioliidae*. 27 pp., 70 pls. Muséum du Coquillage, Les Sables d'Olonne, France.
- Mancini, A.** 1997. Molluschi fossili della cava di Fornello (Guidonia, Roma). *Associazione Nomentana di Storia e Archeologia, Annali*, **3**: 35–44.
- Nordsieck, F.** 1968. *Die europäischen Meeres-Gehäuseschnecken (Prosobranchia)*. 273 pp. Gustav Fischer Verlag, Stuttgart.
- Olivi, G.** 1792. *Zoologia Adriatica ossia Catalogo ragionato degli animali del golfo e delle lagune di Venezia; preceduto da una dissertazione sulla storia fisica e naturale del golfo; e accompagnato da memorie, ed osservazioni di fisica storia naturale ed economia*. x, 334, xxxii pp., 9 pls. Bassano.
- Orr, J.** 2000. *Seashells of Cyprus*. 231 pp. Efstathiadis Group S.A., Athens.
- Öztürk, B. & Çevik, C.** 2000. Molluscs Fauna of Turkish Seas. *Club Conchylia Informationen*, **32**(1–3): 27–53.
- Öztürk B., Ergen, Z. & Önen, M.** 2001. Muricidae (Neogastropoda) fauna of Izmir Bay (Aegean Sea). *Triton*, **3**: 1–4.
- Palazzi, S. & Villari, A.** 1994. Malacofaune batiali Plio-Pleistoceniche del Messinese. 1: Venetico Marina. *Naturalista Siciliano*, (4)**18**(1–2): 73–106.
- Panetta, P. & Imperatrice, M.** 1994. Analisi dei molluschi del Banco dell'Amendolara. *Bollettino Malacologico*, **30**(1–4): 33–42.
- Peñas, A., Rolán, E., Luque, A.A., Templado, J., Moreno, D., Rubio, F., Salas, C., Sierra, A. & Gofas, S.** 2006. Moluscos marinos de la isla de Alborán. *Iberus*, **24**(1): 23–151.
- Repetto, G., Orlando, F. & Arduino, G.** 2005. *Conchiglie del Mediterraneo. 1770 specie illustrate con distribuzione e frequenza*. 392 pp. Amici del Museo 'Federico Eusebio', Alba.
- Salis-Marschlins, C.U. von.** 1793. *Reisen in Verschiedene Provinzen des Königsreiches Neapel*, vol. 1. 442 pp. Ziegler, Zürich.
- Scarponi, D. & Della Bella, G.** 2004. *Molluschi marini del Plio-Pleistocene dell'Emilia-Romagna e della Toscana. Conoidea*, vol. 1. *Drilliidae e Turridae*. 93 pp. Ceregato & Raffi, Bologna.
- Snyder, M.A.** 2000. Nomenclatural emendations in the family Fascioliidae (Mollusca: Gastropoda). *Proceedings of the Academy of Natural Sciences of Philadelphia*, **150**: 173–179.
- Snyder, M.A.** 2003. *Catalogue of the marine gastropod family Fascioliidae*. Academy of Natural Sciences of Philadelphia, special publication, **21**: 1–431.
- Solander, D.C.** 1766. Descriptions of species. In Brander, G. *Fossilia Hantoniensia collecta, et in Musaeo Brittanico deposita, a Gustavo Brander*. vi, 43 pp., 9 pls. Londini.
- Templado, J., Guerra, A., Bedoya, J., Moreno, D., Remón, J.M., Maldonado, M. & Ramos, M.A.** 1993. *Fauna marina circalitoral del Sur de la Península Ibérica. Resultados de la Campaña Oceanográfica 'Fauna I'*. 135 pp., 90 pls. Museo Nacional de Ciencias Naturales, Consejo Superior de Investigaciones Científicas, Madrid.

- Vazzana, A.** 1996. Malacofauna batiale del Pleistocene inferiore del vallone Catrica (Reggio Calabria, Italia). *Bollettino Malacologico*, **31**(5–8): 143–162.
- Vera-Peláez, J.L., Lozano-Francisco, M. del C., Muñiz-Solís, R., Gili, C., Martinell, J., Domènech, R., Palmquist, P. & Guerra-Merchán, A.** 1995. Estudio preliminar de la malacofauna del Plioceno de Estepona (Málaga, España). *Iberus*, **13**(2): 93–117.
- Vio, E. & De Min, R.** 1994. I molluschi conchiferi della riserva marina di Miramare (Trieste). *Bollettino della Società Adriatica di Scienze*, **75**(2): 465–482.
- Vio, E. & De Min, R.** 1996. Contributo alla conoscenza dei molluschi marini del golfo di Trieste. *Atti Museo Civico di Storia Naturale di Trieste*, **47**: 173–233.
- Vio, E. & De Min, R.** 1999. I molluschi del litorale marino di Cervera (Parenzo, Istria). *Annales (Annali za istrske in mediteranske študije). Series historia naturalis*, **9**(2): 167–176.
- Vokes, E.H.** 1971. Catalogue of the Genus *Murex* Linné (Mollusca: Gastropoda); Muricinae, Ocinebrinae. *Bulletins of American Paleontology*, **61**(268): 1–141.

Acknowledgement of receipt of this publication was published in BZN **64**: 78.

---

Comments on this case are invited for publication (subject to editing) in the *Bulletin*; they should be sent to the Executive Secretary, I.C.Z.N., c/o Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: [iczn@nhm.ac.uk](mailto:iczn@nhm.ac.uk)).